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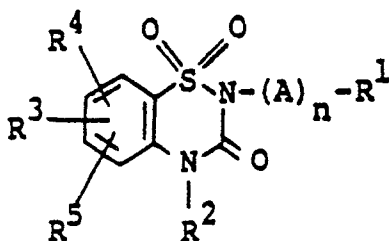
(71) Applicant: Fujisawa Pharmaceutical Co., Ltd.
3, Doshomachi 4-chome Higashi-ku
Osaka-shi, Osaka 541(JP)

(72) Inventor: Oku, Teruo
No. 2-17-1, Umezono Sakuramura
Niihari-gun Ibaraki 305(JP)
Inventor: Todo, Eishiro
No. 2-15-2-301, Umezono Sakuramura
Niihari-gun Ibaraki 305(JP)
Inventor: Kasahara, Chiyoshi
No. 2-15-2-501, Umezono Sakuramura
Niihari-gun Ibaraki 305(JP)
Inventor: Nakamura, Katsuya
No. 9-6-307, Inarimae Yatabemachi
Tsukuba-gun Ibaraki 305(JP)
Inventor: Kayakiri, Hiroshi
No. 2-5-4-506, Umezono Sakuramura
Niihari-gun Ibaraki 305(JP)
Inventor: Hashimoto, Masashi
No. 2-11-6-408, Takezono Sakuramura
Niihari-gun Ibaraki 305(JP)

(74) Representative: Türk, Gille, Hrabal
Bruckner Strasse 20
D-4000 Düsseldorf 13(DE)

(54) New benzothiadiazine compounds, processes for the preparation thereof and pharmaceutical composition comprising the same.

(57) A compound of the formula :



wherein R¹ is phenyl, lower alkyl, or heterocyclic

group which may be substituted, or cyclo(lower)-alkyl;

A is lower alkylene,

n is an integer of 0 or 1,

R² is hydrogen or lower alkyl,

R³ is hydrogen; hydroxy, halogen; halo(lower)-alkyl; lower alkyl; lower alkylamino; acylamino; acyl(lower)-alkylamino; lower alkoxy, cyclo(lower)alkyl, or cyclo-(lower)alkyloxy which may have certain substituents;

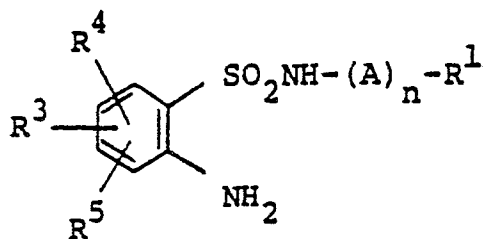
R⁴ is hydrogen or halogen, and

R⁵ is hydrogen or halogen,

provided that

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R^1 is phenyl substituted with lower alkoxy, lower alkylamino, lower alkylthio, aryloxy, carboxy, esterified carboxy, carboxy(lower)alkyl or esterified carboxy(lower)alkyl;
 lower alkyl substituted with carboxy or esterified carboxy;
 or heterocyclic group substituted with lower alkyl,
 when R^3 is hydrogen or halogen, and pharmaceutically acceptable salt thereof,
 processes for their preparation and pharmaceutical compositions comprising them. The invention also relates to intermediate compounds of the formula



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DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ⁴)		
X	CH-A-460 032 (R.HURMER) * Whole document * --	1-6,8, 9	C 07 D 285/24 C 07 D 417/04 A 61 K 31/54 C 07 C 143/80		
X	DE-B-1 067 028 (BAYER) * Whole document; especially column 3, lines 69,70 * --	1-6,8, 9			
X	IL FARMACO, edizione Scientifica, vol. 34, no. 3, March 1979, pages 199-210 L. RAFFA et al.: "Acidi etero-arilalcanoici a possibile azione antiinfiammatoria" * Whole article; especially page 200 form A and page 201, table * --	1-6,8, 9			
A	CHEMICAL ABSTRACTS, vol. 67, no. 1, 3rd July 1967, page 156, abstract no. 1740m Columbus, Ohio, US; P. ROYER et al.: "Idiopathic hypercalciuria with nanism and renal injury in children", & ACTUAL. NEPHROL. HOP. NECKER 1966, 245-64.	1-9	TECHNICAL FIELDS SEARCHED (Int. Cl. ⁴) C 07 D 285/00 C 07 D 417/00		
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
Place of search		Date of completion of the search	Examiner		
THE HAGUE		25-02-1988	ALLARD		
CATEGORY OF CITED DOCUMENTS					
X : particularly relevant if taken alone			T : theory or principle underlying the invention		
Y : particularly relevant if combined with another document of the same category			E : earlier patent document, but published on, or after the filing date		
A : technological background			D : document cited in the application		
O : non-written disclosure			L : document cited for other reasons		
P : intermediate document			& : member of the same patent family, corresponding document		



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-9: 3-oxo-benzothiadiazines, their preparation and use
2. Claim 10: Amino benzenesulphonamides not containing the characteristic structure

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims: 1-9